

**REMARKS****INTRODUCTION**

In accordance with the foregoing, claims 1, 12, and 23 have been amended. No new matter is submitted

Claims 1, 6-9, 11, 12, 17-20, 22-25, and 28-40 are pending and under consideration.

**REJECTION UNDER 35 USC §102**

Claims 1, 6, 12, 17, 23, 25 and 27 stand rejected under 35 USC §102(b) as being anticipated by Yamanaka, U.S. Patent No. 5,923,635; claims 7-9, 11, 18-20 and 22 stand rejected under 35 USC §103(a) as being obvious over Yamanaka, in view of Park, U.S. Publication No. 2001/0043522; claims 28-34 and 36 stand rejected under 35 USC §103(a) as being obvious over Yamanaka, in view of Kim, U.S. Patent No. 6,337,841; claim 35 stands rejected under 35 USC §103(a) as being obvious over Yamanaka, in view of Kim, in further view of Ohnishi et al., U.S. Patent No. 6,507,009; claim 37 stands rejected under 35 USC §103(a) as being obvious over Yamanaka, in view of Kim, and in further view of Tajiri, U.S. Patent No. 6,072,607; claims 38-40 stand rejected under 35 USC §103(a) as being obvious over Yamanaka, in view of Oohchida et al., U.S. Patent No. 6,584,060. These rejections are respectfully traversed.

It is respectfully submitted that none of Yamanaka, Park, Kim, Ohnishi et al., Tajiri, or Oohchida et al. disclose or suggest that the claimed hologram element should or would adjust a convergence and/or a divergence of all incident light emitted from the light source. Embodiments of the present application clearly explain that a purpose of the claimed hologram element is for changing the convergence or divergence of all light emitted from the light source, e.g., to permit the entire system to be more compact. Since all incident light is changed in convergence or divergence the size of the entire system is more flexible.

Conversely, Yamanaka sets forth a need to maintain the focal point of an original emitted light and to change the focal point of only some of the light to change the resultant focal point of light output by the aspherical lens so two different depths of the optical medium can be irradiated. See FIG. 6A of Yamanaka as a demonstration of the maintenance of the original focal length from the light source and the new focal length at the imaginary point Q.

There is no disclosure or suggestion in Yamanaka that all incident light should be changed. Rather, only the present application provides such a feature and advantage.

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Accordingly, as none of Yamanaka, Park, Kim, Ohnishi et al., Tajiri, nor Oohchida et al. disclose or suggest that the claimed hologram element should or would adjust a convergence and/or a divergence of all incident light emitted from the light source, it is respectfully submitted that the pending claims are in patentable condition. Withdrawal of all rejections is respectfully requested.

#### CONCLUSION

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

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By: 

Stephen T. Boughner  
Registration No. 45,317

1201 New York Avenue, N.W., 7th Floor  
Washington, D.C. 20005  
Telephone: (202) 434-1500  
Facsimile: (202) 434-1501